What is claimed is:

1	1. An electrical connector assembly having a first electrical connector mateable to a
2	second electrical connector, the electrical connector assembly comprising:
3	the first electrical connector comprising a plurality of wafers, with each of the
4	plurality of wafers including:
5	a first insulative housing;
6	a plurality of first signal conductors, with each first signal conductor
7	having a first contact end connectable to a first printed circuit board, a second
8	contact end, and an intermediate portion therebetween that is disposed in the first
9	insulative housing;
10	a shield plate, the shield plate having a plurality of first contact ends
11	connectable to the first printed circuit board, a plurality of second contact ends,
12	and an intermediate portion therebetween that is disposed in the first insulative
13	housing;
14	the second electrical connector having a second insulative housing and ground
15	conductors and second signal conductors in a plurality of rows, with each of the plurality
16	of rows comprising:
17	a plurality of ground conductors and second signal conductors;
18	each second signal conductor having a first contact end connectable to a
19	second printed circuit board, a second contact end mateable to the second contact
20	end of one of the first signal conductors, and an intermediate portion
21	therebetween that is disposed in the second insulative housing;

each ground conductor having a first contact end connectable to the second printed circuit board, a second contact end mateable to the second contact end of the shield plate, and an intermediate portion therebetween that is disposed in the second insulative housing;

the first contact end of the second signal conductor having a contact tail and the first contact end of the ground conductor having at least two contact tails; and

the second signal conductors and the ground conductors are positioned adjacent to one another so that for each second signal conductor contact tail, there are ground conductor contact tails adjacent either side of the second signal conductor contact tail.

- 2. The electrical connector assembly of claim 1, wherein for the second electrical connector, a distance between a second signal conductor contact tail and an adjacent ground conductor contact tail of a row is less than a distance between adjacent rows.
- The electrical connector assembly of claim 1, wherein for each of the plurality of rows of the second electrical connector, the contact tails of the second signal conductors and the ground conductors are configured to align along a line when connected to the second printed circuit board.
- 4. An electrical connector assembly having a first electrical connector mateable to a second electrical connector, the electrical connector assembly comprising:

3	the first electrical connector comprising a plurality of wafers, with each of the
4	plurality of wafers including:
5	a first insulative housing;
6	a plurality of first signal conductors, with each first signal conductor
7	having a first contact end connectable to a first printed circuit board, a second
8	contact end, and an intermediate portion therebetween that is disposed in the first
9	insulative housing;
10	a shield plate, the shield plate having a plurality of first contact ends
11	connectable to the first printed circuit board, a plurality of second contact ends,
12	and an intermediate portion therebetween that is disposed in the first insulative
13	housing;
14	the second electrical connector comprising:
15	a second insulative housing including side walls and a base;
16	a plurality of second signal conductors, with each second signal conductor
17	having a first contact end connectable to a second printed circuit board, a second
18	contact end mateable to the second contact end of one of the first signal
19	conductors, and an intermediate portion therebetween that is disposed in the base
20	of the second insulative housing;
21	a plurality of ground conductors, with each ground conductor having a
22	first contact end connectable to the second printed circuit board, a second contact
23	end mateable to the second contact end of the shield plate, and an intermediate
24	portion therebetween that is disposed in the base of the second insulative housing;

the second signal conductors and the ground conductors are arranged in a
plurality of rows, with each row having second signal conductors and ground
conductors;

for each of the plurality of rows, there is a corresponding ground strip
positioned adjacent thereto disposed in the base of the second insulative housing;
and
the ground strip is electrically connected to the ground conductors of the

- the ground strip is electrically connected to the ground conductors of the row.
- The electrical connector assembly of claim 4, wherein for the second electrical connector, the ground strip has a first surface facing the corresponding ground conductors of the row, and the first surface includes projections that electrically connect to the corresponding ground conductors of the row.
- The electrical connector assembly of claim 4, wherein for the second electrical connector, the ground strip has a first end and a second end, the first end and the second end being bent in the direction of the corresponding row of second signal conductors and ground conductors, and the first end of the ground strip extending beyond an end of the row and the second end of the ground strip extending beyond the other end of the row.
- 7. The electrical connector assembly of claim 6, wherein the first end of the ground strip includes a contact tail connectable to the second printed circuit board and the second

- 3 end of the ground strip includes a contact tail connectable to the second printed circuit
- 4 board.
- 1 8. The electrical connector assembly of claim 7, wherein for each of the plurality of
- 2 rows, the first contact ends of the second signal conductors and the ground conductors
- and the contact tails of the corresponding ground strip are aligned along a line when
- 4 connected to the second printed circuit board.
- 1 9. The electrical connector assembly of claim 8, wherein for each of the plurality of
- 2 rows, the first contact end of each second signal conductor comprises a contact tail and
- 3 the first contact end of each ground conductor comprises at least two contact tails so that
- 4 for each second signal conductor contact tail, there are ground conductor contact tails
- 5 adjacent either side of the second signal conductor contact tail.
- 1 10. The electrical connector assembly of claim 4, wherein for each of the plurality of
- 2 rows of the second electrical connector, the first contact end of each second signal
- 3 conductor comprises a contact tail and the first contact end of each ground conductor
- 4 comprises at least two contact tails.
- 1 11. An electrical connector assembly having a first electrical connector mateable to a
- 2 second electrical connector, the electrical connector assembly comprising:
- the first electrical connector comprising a plurality of wafers, with each of the
- 4 plurality of wafers including:

5	a first insulative housing;

a plurality of first signal conductors, with each first signal conductor having a first contact end connectable to a first printed circuit board, a second contact end, and an intermediate portion therebetween that is disposed in the first insulative housing;

at least one ground member, the ground member having at least one first contact end connectable to the first printed circuit board, at least one second contact end, and an intermediate portion therebetween that is disposed in the first insulative housing;

the first insulative housing providing an area which exposes a portion of the intermediate portion of the ground member;

a conductive member attached to the plurality of wafers, the conductive member electrically connecting to each ground member at the exposed intermediate portion of the ground member;

the second electrical connector having a second insulative housing and ground conductors and second signal conductors in a plurality of rows, with each of the plurality of rows comprising:

a plurality of ground conductors and second signal conductors;
each second signal conductor having a first contact end connectable to a
second printed circuit board, a second contact end mateable to the second contact
end of one of the first signal conductors, and an intermediate portion
therebetween that is disposed in the second insulative housing;

each ground conductor having a first contact end connectable to the second printed circuit board, a second contact end mateable to the second contact end of the ground member, and an intermediate portion therebetween that is disposed in the second insulative housing;

the first contact end of the second signal conductor having a contact tail and the first contact end of the ground conductor having at least one contact tail; and

the second signal conductors and the ground conductors are positioned adjacent to one another so that for each second signal conductor contact tail, there are ground conductor contact tails adjacent either side of the second signal conductor contact tail.

- The electrical connector assembly of claim 11, wherein for the first electrical 12. 1 connector, the ground member comprises a shield plate.
- The electrical connector assembly of claim 12, wherein the shield plate has first 13. 1
- and second edges adjacent the second contact end, the first and second edges being bent 2
- in the direction of the first signal conductors of the wafer. 3
- 14. The electrical connector assembly of claim 13, wherein the shield plate further 1
- includes a first plurality of the first contact ends connectable to the first printed circuit 2
- board and a second plurality of the second contact ends, the first plurality being greater in 3
- number than the second plurality. 4

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- 1 15. The electrical connector assembly of claim 11, wherein for the first electrical
- 2 connector, the second contact end of the ground member comprises opposing contacting
- 3 members.
- 1 16. The electrical connector assembly of claim 11, wherein for the first electrical
- 2 connector, the ground member comprises a shield strip such that there is a shield strip
- 3 corresponding to each first signal conductor.
- 1 17. The electrical connector assembly of claim 11, wherein for the first electrical
- 2 connector, the plurality of first signal conductors are configured as differential pair
- 3 signals.
- 1 18. An electrical connector assembly having a first electrical connector mateable to a
- 2 second electrical connector, the electrical connector assembly comprising:
- the first electrical connector comprising a plurality of wafers, with each of the
- 4 plurality of wafers including:
- 5 a first insulative housing;
- a plurality of first signal conductors, with each first signal conductor
- having a first contact end connectable to a first printed circuit board, a second
- contact end, and an intermediate portion therebetween that is disposed in the first
- 9 insulative housing;

10	at least one ground member, the ground member having at least one first
11	contact end connectable to the first printed circuit board, at least one second
12	contact end, and an intermediate portion therebetween that is disposed in the first
13	insulative housing;
14	the first insulative housing providing an area which exposes a portion of
15	the intermediate portion of the ground member;
16	a conductive member attached to the plurality of wafers, the conductive member
17	electrically connecting to each ground member at the exposed intermediate portion of the
18	ground member;
19	the second electrical connector having a second insulative housing and ground
20	conductors and second signal conductors in a plurality of rows, with each of the plurality
21	of rows comprising:
22	a plurality of ground conductors and second signal conductors;
23	each second signal conductor having a first contact end connectable to a
24	second printed circuit board, a second contact end mateable to the second contact
25	end of one of the first signal conductors, and an intermediate portion
26	therebetween that is disposed in the second insulative housing;
27	each ground conductor having a first contact end connectable to the
28	second printed circuit board, a second contact end mateable to the second contact
29	end of the ground member, and an intermediate portion therebetween that is
30	disposed in the second insulative housing;

the first contact end of the second signal conductor having a contact tail 31 and the first contact end of the ground conductor having at least two contact tails; 32 and 33 the second signal conductors and the ground conductors are positioned 34 adjacent to one another so that for each second signal conductor contact tail, there 35 are ground conductor contact tails adjacent either side of the second signal 36 37 conductor contact tail. An electrical connector assembly having a first electrical connector mateable to a 1 19. second electrical connector, the electrical connector assembly comprising: 2 the first electrical connector comprising a plurality of wafers, with each of the 3 plurality of wafers including: 4 a first insulative housing, the first insulative housing having an attachment 5 feature; 6 a plurality of first signal conductors, with each first signal conductor 7 having a first contact end connectable to a first printed circuit board, a second 8 contact end, and an intermediate portion therebetween that is disposed in the first 9 insulative housing; 10 at least one ground member, the ground member having at least one first 11 contact end connectable to the first printed circuit board, at least one second 12 contact end, and an intermediate portion therebetween that is disposed in the first 13

insulative housing;

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15 the intermediate portion of the ground member having at least one tab member, at least a portion of the tab member being exposed when the 16 intermediate portion of the ground member is disposed in the first insulative 17 housing; 18 a conductive stiffener attached to the plurality of wafers through the attachment 19 feature of the first insulative housing, the conductive stiffener electrically connecting to 20 21 each ground member at the tab member; 22 the second electrical connector having a second insulative housing and ground conductors and second signal conductors in a plurality of rows, with each of the plurality 23 24 of rows comprising: 25 a plurality of ground conductors and second signal conductors; 26 each second signal conductor having a first contact end connectable to a 27 second printed circuit board, a second contact end mateable to the second contact 28 end of one of the first signal conductors, and an intermediate portion 29 therebetween that is disposed in the second insulative housing; 30 each ground conductor having a first contact end connectable to the 31 second printed circuit board, a second contact end mateable to the second contact 32 end of the ground member, and an intermediate portion therebetween that is 33 disposed in the second insulative housing; the first contact end of the second signal conductor having a contact tail 34 35 and the first contact end of the ground conductor having at least one contact tail: and 36

the second signal conductors and the ground conductors are positioned
adjacent to one another so that for each second signal conductor contact tail, there
are ground conductor contact tails adjacent either side of the second signal
conductor contact tail.